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W. H. VANCE.

POCKET PENCIL HOLDER.

APPLICATION FILED SEPT. 10, 1904.

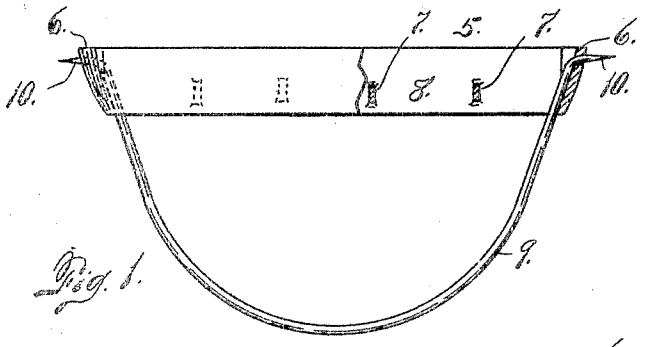


Fig. 1.

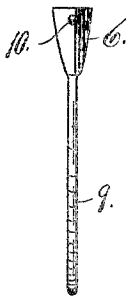


Fig. 3.

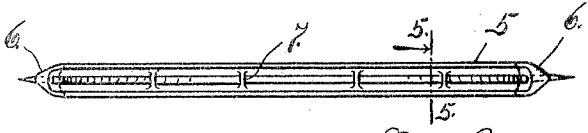


Fig. 2.

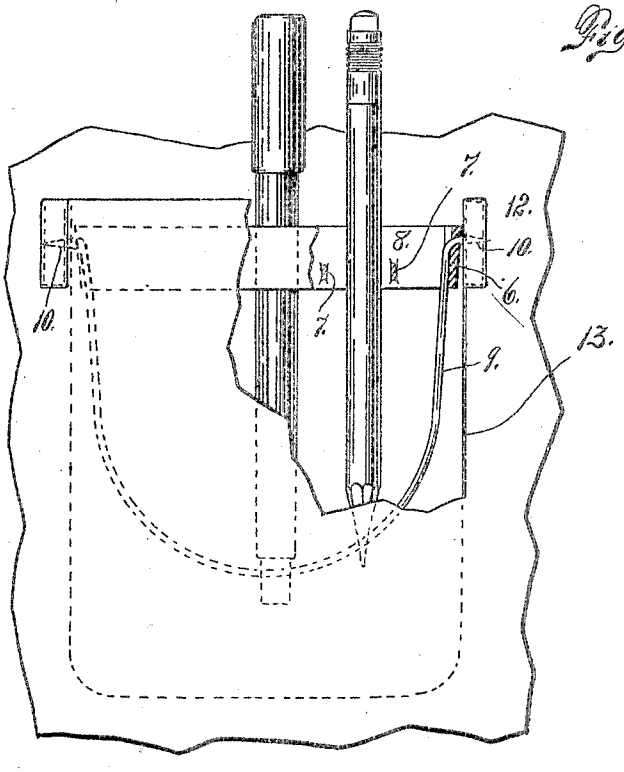


Fig. 4.

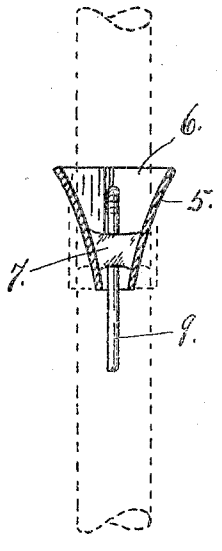


Fig. 5.

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POCKET PENCIL-HOLDER.

No. 797,158. Specification of Letters Patent. Patented Aug. 15, 1905.

Application filed September 19, 1904. Serial No. 224,964.

To all whom it may concern:

Be it known that I, WILLIAM H. VANCE, a citizen of the United States, residing in the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Pocket Pencil-Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in pencil-holders adapted to be inserted in and applied to a pocket of the user.

My improved device is especially intended for use in connection with one of the upper side pockets of the vest, though it will of course be understood that it is adapted for use in any pocket where it is desired to place it.

The invention consists of an elastic band formed double, the two parts being connected at suitable intervals, forming compartments for a number of pens or pencils, as may be desired, the connecting parts being of the same material as the band and integral therewith. Connected with the extremities of this band is a spring-yoke, preferably composed of wire, which normally distends the band, giving it a suitable tension, whereby it grasps the articles inserted therein with sufficient firmness to retain them securely in place. The spring-yoke, as shown in the drawings, is preferably provided with pointed extremites, bent at an angle to the body of the yoke and passing through the reinforced ends of the band, the said extremities forming brads, adapted to enter the fabric of the garment in the pocket of which the device is inserted.

My object is to provide a device of this class which shall be reliable, durable, and efficient in use and which shall be automatically retained in the pocket when once inserted.

The yoke when distended to its maximum limit is somewhat wider at the ends than would allow it to readily enter the pocket; but by pressing the ends toward each other it is contracted sufficiently to allow it to enter the pocket. Then as the yoke is released it expands, causing the brads at the ends of the band to enter the fabric of the garment at the top of the pocket, whereby the device is held securely in place until it is desired to remove it. The removal of course is accomplished by pressing the ends of the yoke toward each other until the brads are released from the fabric of the garment, when the device may be lifted out of the pocket.

Having briefly outlined my improved construction, as well as the function it is intended to perform, I will proceed to describe the same in detail, reference being made to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a detail view of my improved device, partly in section, one side of the band being partly broken away. In this view the device is shown about normal size for ordinary use. Fig. 2 is a top view of the same. Fig. 3 is an end elevation of the device or a view taken at right angles to Fig. 1. Fig. 4 is a view showing the device in use—that is to say, inserted in the pocket of a garment—the pocket and the band being partly broken away on one side and two articles shown in position in the holder. Fig. 5 is a section taken on the line 5 5, Fig. 2, viewed in the direction of the arrow, but shown on a larger scale. In this view a pencil is shown in place, but indicated by dotted lines.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate an elastic band, preferably endless and reinforced at its extremities, as shown at 6, either by thickening and vulcanizing the rubber, if the band is composed of rubber, or by reinforcing the band by the use of any other suitable material. So far as I am now aware I prefer to make the device out of an endless rubber band reinforced or thickened at the ends with the same material. It is evident, however, that other material may be applied to the ends of the band, if desired. The parallel sides of the band are connected by parts 7, (valcanized with the band,) whereby compartments or spaces 8 are formed between the connections 7 to receive a pen or pencil or other similar article.

Let 9 designate a yoke preferably composed of spring-wire and having its body portion extending below the band 5, while its extremities engage the reinforced extremities of the band, and, as shown in the drawings, are provided with pointed or bradded features 10, which pass through the reinforced ends of the band and project therefrom sufficiently to enter the fabric of the garment 12, whereby the device is held in place, as shown in Fig. 4.

When it is desired to insert the device in a pocket 13 of the garment, the yoke 9 is compressed or its extremities are made to approach each other until the yoke is sufficiently contracted to enter the top of the pocket. The device is then inserted and released when the brads 10 enter the fabric of the garment of which the pocket is formed and prevent the removal of the device until the yoke is again compressed sufficiently to release the brads. Attention is called to the fact that when the device is removed from the pocket the elasticity or resilience of the yoke 9 considerably distends or stretches the elastic band 5. Hence as the extremities of the yoke are pressed toward each other the band simply contracts without becoming loose, and when released to allow the brads to enter the pocket the band is again sufficiently distended to give it the desired tension for holding the articles which it may be desired to insert therein.

The reinforcing parts 6 are widest at the top, where they are V-shaped, and they taper downwardly, being rigid, to cause the opposite sides of the band also to taper downwardly from the top, as best illustrated in Fig. 5. By virtue of this feature the two parts of the band are considerably separated at the top and closed or approximately closed at the bottom, thus leaving a wide mouth to facilitate the insertion of the pencil and at the same time making the lower part of the device sufficiently narrow to cause it to grasp the article inserted therein.

Having thus described my invention, what I claim is—

1. A pocket pencil-holder comprising a double and elastic band composed of soft rubber and having its sides connected by parts vulcanized with the band to form the latter into compartments, and a spring-yoke whose extremities engage the ends of the band, the device being provided with brads at the ends of the band, adapted to enter the fabric of the pocket in which the device is inserted.

2. An elastic band formed double and having its sides connected at intervals by parts formed integral therewith and of the same material as the band, the said band being provided with reinforced extremities thickest at the top and tapering downwardly to give shape to the band whose sides conform with the shape of said extremities, and a spring-yoke having pointed extremities passing through the reinforced ends of the band and projecting slightly beyond the same for the purpose set forth.

3. A device of the class described consisting of an endless elastic band reinforced on two opposite sides, the reinforced parts being thickest at the top and tapering downwardly to give shape to the band whose sides conform to the shape of the said extremities the sides of the band being connected at intervals by parts formed integral with and of the same material as the band, to form compartments, and a spring-yoke having bradded extremities engaging the reinforced parts of the band, the yoke having sufficient tension to distend the band whereby the latter is given sufficient tension for the performance of its function.

4. In a device of the class described, the combination of an endless elastic band composed of soft rubber, and a spring-yoke engaging the band at two opposite points and normally distending or stretching the latter, the parallel sides of the band being connected at suitable intervals by parts vulcanized with the band for the purpose set forth.

5. In a device of the class described, the combination of an endless band composed entirely of soft rubber having rigid reinforcements at its extremities, the reinforced parts being thickest at the top and tapering downwardly making the device V-shaped or approximately V-shaped in cross-section, and a spring-yoke whose extremities engage the reinforced part of the band and gives the same the necessary tension, the extremities of the device being provided with suitable means for holding the device in place within the pocket of the garment, the parts of the band being connected at intervals by parts formed integral therewith and of the same material as the band for the purpose set forth.

6. In a device of the class described, the combination of an endless elastic band composed entirely of soft rubber, and a spring-yoke engaging the band at two opposite points whereby the band is distended to form two parts which approach each other the two parts of the band being connected at intervals by parts formed integral with and of the same material as the band, the extremities of the band where engaged by the yoke being provided with a rigid reinforcement thickest at the top and tapering downwardly, making the band between its extremities V-shaped in cross-section, the same being widest at the top and tapering downwardly for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. VANCE.

Witnesses:

DENA NELSON,

A. J. O'BRIEN.